

REF

**NATIONAL INSTITUTES OF HEALTH**

# NEW GRANTS AND AWARDS

NIH LIBRARY

## Arranged by State, City and Institution

## Announced During

# OCTOBER 1973



# REPORT 1994

**U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
Public Health Service**



PREPARED BY  
NATIONAL INSTITUTES OF HEALTH  
DIVISION OF RESEARCH GRANTS  
STATISTICS AND ANALYSIS BRANCH





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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
 AM NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES  
 CA NATIONAL CANCER INSTITUTE  
     CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS  
     CN OFFICE OF CANCER CONTROL  
     CM DIVISION OF CANCER TREATMENT  
     CP DIVISION OF CANCER CAUSE AND PREVENTION  
 CL CLINICAL CENTER  
 CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY  
 DE NATIONAL INSTITUTE OF DENTAL RESEARCH  
 ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES  
 EY NATIONAL EYE INSTITUTE  
 GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
 HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT  
 HL NATIONAL HEART AND LUNG INSTITUTE  
     HV DIVISION OF HEART AND VASCULAR DISEASES  
     HB DIVISION OF BLOOD DISEASES AND RESOURCES  
     HT DIVISION OF TECHNOLOGICAL APPLICATION  
     HR DIVISION OF LUNG DISEASES  
     HI DIVISION OF INTRAMURAL RESEARCH  
     HO OFFICE OF THE NHLI DIRECTOR  
 JT JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)  
 LM NATIONAL LIBRARY OF MEDICINE  
 NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE  
 OD OFFICE OF THE DIRECTOR, NIH  
 RG DIVISION OF RESEARCH GRANTS  
 RR DIVISION OF RESEARCH RESOURCES  
 RS DIVISION OF RESEARCH SERVICES  
 TW FOGARTY INTERNATIONAL CENTER









NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM DE03828-01	MC CALLUM, CHARLES A	SUPPORT FOR SYMPOSIUM ON IMMUNOGLOBULIN A	13,617
INSTITUTION TOTAL	1	13,617	
CITY TOTAL	1	13,617	
STATE TOTAL	1	13,617	
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY HD08018-01 CAL4828-01	BERGER, STANLEY A CALVIN, MELVIN	SPERM TRANSPORT IN CERVICAL MUCUS MOLECULAR MECHANISMS IN CARCINOGENESIS	39,495 180,172
INSTITUTION TOTAL	2	219,667	
CITY TOTAL	2	219,667	
CLAREMONT CLAREMONT COLLEGES SYSTEM--CLAREMONT GRADUATE SCHOOL AND UNIVERSITY CENTER HD08074-01	OSKAMP, STUART	PREDICTION OF PROBABILITIES IN CONTRACEPTIVE PLANNING	42,771
INSTITUTION TOTAL	1	42,771	
CITY TOTAL	1	42,771	
DAVIS UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS CAL4839-01	BENJAMINI, ELIEZER	STUDY OF IMMUNOLOGICAL CONTROL OF NEOPLASIAS	40,000
INSTITUTION TOTAL	1	40,000	
CITY TOTAL	1	40,000	
IRVINE UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE HD08086-01 GM20834-01 CAL5965-01	BODE, HANS R O'LOUGHLIN, BERNARD J RAIDT, DONALD J	REGULATION OF MULTIPOTE CELL DIFFERENTIATION STUDY OF DIAGNOSTIC VALUE OF ACOUSTICAL HOLOGRAPHY REGULATORY EVENTS IN CELL-MEDIATED IMMUNE RESPONSES	23,218 40,000 29,178
INSTITUTION TOTAL	3	92,396	
CITY TOTAL	3	92,396	

\* INCLUDES DIRECT COST ONLY

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
GM20868-01	BOURGEOIS-COHN, SUZANNE	STUDY OF CELLULAR REGULATION OF GENETIC MATERIAL	52,500
CA15964-01	BYRD, WILLIAM J	T-T CELL COLLABORATION AND TUMOR CELL DESTRUCTION	47,040
HD08180-01	GOSPODAROWICZ, DENIS J	STUDY OF LH RECEPTOR SITES IN LUTEAL CELLS	38,000
CA14195-01	HOLLEY, ROBERT W	CANCER RESEARCH PROGRAM	200,000
INSTITUTION TOTAL			337,540
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AT11751-01	BOKISCH, VIKTOR A	COMPLEMENT ACTIVATION IN HEMORRHAGIC SHOCK SYNDROME	28,045
INSTITUTION TOTAL			28,045
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
HL16269-01	BERNSTEIN, EUGENE F	PROLONGED PULSELESS TOTAL BODY PERFUSION	35,000
INSTITUTION TOTAL			35,000
CITY TOTAL			400,585
LOS ANGELES			
CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL			
HL15857-01	GREENBERG, ROBERT E	GENETIC HETEROGENEITY OF HYPERTENSION	60,553
INSTITUTION TOTAL			60,553
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
LM02090-01	HAND, WAYLAND A	SYMPOSIUM ON AMERICAN FOLK MEDICINE	10,461
RR00865-01	MELLINKOFF, SHERMAN M	GENERAL CLINICAL RESEARCH CENTER	397,114
EY01051-01A1	NODA, HIROHARU	NEURONAL BASIS OF VISUAL PERCEPTION IN EYE MOVEMENTS	28,190
HD06576-01A1	POPJAK, GEORGE J	MOLECULAR ASPECTS OF MENTAL RETARDATION	303,765
INSTITUTION TOTAL			739,530
CITY TOTAL			800,083
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
HD08035-01	JAFFE, ROBERT B	REGULATION OF THE HUMAN HYPOTHALAMIC-PITUITARY SYSTEM	63,623
INSTITUTION TOTAL			63,623
CITY TOTAL			63,623

\* INCLUDES DIRECT COST ONLY



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA STANFORD STANFORD UNIVERSITY HL15833-01 RR00785-01A1	HARRISON, DONALD C LEDERBERG, JOSHUA	PHARMACOLOGIC AND PHYSIOLOGIC BASIS OF CARDIAC THERAPY SUPPORT FOR MEDICAL COMPUTING FACILITY	318,019 21,380
INSTITUTION TOTAL	2	339,399	
CITY TOTAL	2	339,399	
STATE TOTAL	21	1,998,524	
COLORADO DENVER UNIVERSITY OF COLORADO MEDICAL CENTER HD07779-01	CLAMAN, HENRY N	IMMUNOLOGICAL CHANGES IN AGING	62,136
INSTITUTION TOTAL	1	62,136	
CITY TOTAL	1	62,136	
STATE TOTAL	1	62,136	
CONNECTICUT NEW HAVEN YALE UNIVERSITY AI11785-01 HL15947-01	DWYER, JOHN M MULROW, PATRICK J	CELLULAR IMMUNITY AND HUMAN DISEASE PROSTAGLANDINS AND HYPERTENSION	32,076 65,779
INSTITUTION TOTAL	2	97,855	
CITY TOTAL	2	97,855	
STATE TOTAL	2	97,855	
DIST OF COL WASHINGTON CHILDREN'S HOSPITAL NATIONAL MEDICAL CENTER CA14484-01A1	HOUCK, JOHN C	SPECIFIC INHIBITION OF HUMAN FIBROBLAST PROLIFERATION	52,868
INSTITUTION TOTAL	1	52,868	
GEORGETOWN UNIVERSITY HD07695-01	COLEMAN, MARY P	SEROTONIN SCREENING OF NEONATES	36,129
INSTITUTION TOTAL	1	36,129	

\* INCLUDES DIRECT COST ONLY

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
DIST OF COL WASHINGTON HOWARD UNIVERSITY CA14718-01	WHITE, JACK E	CANCER RESEARCH PROGRAM	200,000
INSTITUTION TOTAL	1	200,000	
CITY TOTAL	3	288,997	
STATE TOTAL	3	288,997	
GEORGIA ATHENS UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA A112065-01 H007714-01	DAMIAN, RAYMOND T LEE, JOHN W	SCHISTOSOME IMMUNITY MECHANISMS BIOLOGICAL REACTIONS OF LASER GENERATED SINGLET OXYGEN	36,000 21,254
INSTITUTION TOTAL	2	57,254	
CITY TOTAL	2	57,254	
ATLANTA EMORY UNIVERSITY CA14797-01	JOHNSON, LEWIS D	STUDIES OF EPITHELIAL BASEMENT MEMBRANE COMPONENTS	35,000
INSTITUTION TOTAL	1	35,000	
CITY TOTAL	1	35,000	
STATE TOTAL	3	92,254	
ILLINOIS ARGONNE INTERNATIONAL CONGRESS OF RADIATION RESEARCH CA15041-01	BOND, VICTOR P	VTH INTERNATIONAL CONGRESS OF RADIATION RESEARCH	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	
STATE TOTAL	1	50,000	
INDIANA BLOOMINGTON INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON H007983-01	MAHOWALD, ANTHONY P	ULTRASTRUCTURAL STUDIES OF EMBRYONIC DETERMINATION	30,426
INSTITUTION TOTAL	1	30,426	
* INCLUDES DIRECT COST ONLY			

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	30,426	
INDIANA			
INDIANAPOLIS	FOR ADVANCED RESEARCH		
INDIANAPOLIS CENTER	EGGLETON, REGINALD C	MICROSCOPIC EVALUATION OF CARDIOACTIVE DRUGS IN VITRO	45,000
HL16311-01			
INSTITUTION TOTAL	1	45,000	
CITY TOTAL	1	45,000	45,000
LAFAYETTE			
PURDUE UNIVERSITY	CICIRELLI, VICTOR G	INFLUENCE OF MOTHER AND SIB ON CHILD'S PROBLEM SOLVING	8,616
HD07201-01A1	PERRUCCI, CAROLYN C	FERTILITY AND ACHIEVEMENT OF WOMEN COLLEGE GRADUATES	10,776
HD07957-01			
INSTITUTION TOTAL	2	19,392	
CITY TOTAL	2	19,392	
STATE TOTAL	4	94,818	
IOWA			
IOWA CITY	KORENMAN, STANLEY G	HORMONAL INTERACTIONS IN THE UTERUS	42,188
UNIVERSITY OF IOWA			
HD07693-01			
INSTITUTION TOTAL	1	42,188	
CITY TOTAL	1	42,188	
STATE TOTAL	1	42,188	42,188
KANSAS			
KANSAS CITY	BOLINGER, ROBERT E	GENERAL CLINICAL RESEARCH CENTER	213,240
UNIVERSITY OF KANSAS			
RR00828-01			
INSTITUTION TOTAL	1	213,240	
CITY TOTAL	1	213,240	
STATE TOTAL	1	213,240	213,240

\* INCLUDES DIRECT COST ONLY

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
KENTUCKY LEXINGTON UNIVERSITY OF KENTUCKY HD07908-01	HAKIM, RAZIEL S	METAPLASIA IN A NONDIVIDING CELL SYSTEM	24,349
INSTITUTION TOTAL	1	24,349	
CITY TOTAL	1	24,349	
STATE TOTAL	1	24,349	
LOUISIANA NEW ORLEANS TULANE UNIVERSITY NS10517-01	LIU, YOUNG K	ACCELERATION INJURIES TO THE SPINAL CORD AND BRAINSTEM	63,299
INSTITUTION TOTAL	1	63,299	
CITY TOTAL	1	63,299	
STATE TOTAL	1	63,299	
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY HD08185-01 HD07935-01 HD08163-01	HUANG, RU-CHIH C SILVERSTEIN, ARTHUR M SYKES, ZENAS M, JR	NUCLEOCYTOPLASMIC INTERACTIONS IN DEVELOPMENT AND AGING STUDIES IN MAMMALIAN LYMPHOGENESIS AND IMMUNOGENESIS A SYSTEMS MODEL OF HUMAN FERTILITY	55,935 38,000 11,669
INSTITUTION TOTAL	3	105,604	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT11676-01 HD07916-01	BLACK, LINDSAY W CRAMER, ONEIDA M	PHAGE T4 HEAD ASSEMBLY AND INITIATION OF INFECTION NEUROENDOCRINE CORRELATES OF GONADOTROPIN SECRETION	37,202 28,333
INSTITUTION TOTAL	2	65,535	
CITY TOTAL	5	171,139	
BETHESDA UNIVERSITIES ASSOCIATED FOR RESEARCH AND EDUCATION IN PATHOLOGY CA15413-01	THEROS, ELIAS G	DEVELOPMENT OF TEACHING MATERIAL ON RADIOLOGY	82,345
INSTITUTION TOTAL	1	82,345	
CITY TOTAL	1	82,345	
STATE TOTAL	6	253,484	

\* INCLUDES DIRECT COST ONLY



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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS BOSTON BETH ISRAEL HOSPITAL CA15260-01	GOLDMAN, PETER	CARCINOGEN METABOLISM BY HOST INTESTINAL BACTERIA	41,149
INSTITUTION TOTAL	1		41,149
BOSTON UNIVERSITY HL16662-01	O'SULLIVAN, JOHN B	QUARTER CENTURY FOLLOW-UP OF THE OXFORD STUDY	53,040
INSTITUTION TOTAL	1		53,040
CHILDREN'S CANCER RESEARCH FOUNDATION A112069-01	SCHLOSSMAN, STUART F	STUDY OF ISOLATION AND GENETIC CONTROL OF IMMUNOCYTES	108,977
INSTITUTION TOTAL	1		108,977
HARVARD UNIVERSITY HD07032-01	HEGSTED, DAVID M	MALNUTRITION AND BEHAVIORAL DEVELOPMENT	127,517
INSTITUTION TOTAL	1		127,517
NORTHEASTERN UNIVERSITY HD08135-01	MAHUT, HELEN S	HIPPOCAMPUS: A NEUROPSYCHOLOGICAL DEVELOPMENTAL STUDY	34,499
INSTITUTION TOTAL	1		34,499
CITY TOTAL	5		365,182
SHREWSBURY WORCESTER FOUNDATION HD08129-01	MC CRACKEN, JOHN A	ENDOCRINE FUNCTION OF TRANSPLANTED UTERUS AND OVARY	49,067
INSTITUTION TOTAL	1		49,067
CITY TOTAL	1		49,067
WALTHAM BRANDEIS UNIVERSITY HD07966-01	LEVINE, LAWRENCE	STUDIES ON THE PHYSIOLOGICAL ROLE OF THE PROSTAGLANDINS	44,819
INSTITUTION TOTAL	1		44,819
CITY TOTAL	1		44,819
STATE TOTAL	7		459,068

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AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN HD07483-01A1	BRADLEY, ROBERT M	FUNCTIONAL DEVELOPMENT OF THE GUSTATORY SENSE	42,598
INSTITUTION TOTAL	1		42,598
CITY TOTAL	1		42,598
EAST LANSING MICHIGAN STATE UNIVERSITY HD07894-01	KITCHEN, HYRAM	HEME METABOLISM IN FETUSES, NEWBORNS AND ADULTS	35,194
INSTITUTION TOTAL	1		35,194
CITY TOTAL	1		35,194
STATE TOTAL	2		77,792
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA CA15325-01	GRAY, GARY R	ANTITUMOR ACTIVE COMPONENTS OF BCG CELL WALLS	25,290
INSTITUTION TOTAL	1		25,290
CITY TOTAL	1		25,290
ROCHESTER MAYO FOUNDATION A112049-01 HL15689-01	JORDON, ROBERT E WHISNANT, JACK P	IMMUNOPATHOLOGY OF BULLOUS SKIN DISEASES NINTH PRINCETON CONFERENCE ON CEREBROVASCULAR DISEASE	35,942
INSTITUTION TOTAL	2		55,942
CITY TOTAL	2		55,942
STATE TOTAL	3		81,232
MISSISSIPPI HATTIESBURG UNIVERSITY OF SOUTHERN MISSISSIPPI HD06896-01A1	FULLER, GENE B	ESTROGEN-STIMULATED PROGESTERONE SYNTHESIS IN VITRO	26,534
INSTITUTION TOTAL	1		26,534
CITY TOTAL	1		26,534

\* INCLUDES DIRECT COST ONLY

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	26,534	
MISSOURI			
SAINT LOUIS			
WASHINGTON UNIVERSITY			
AM17188-01	BALLINGER, WALTER F	SURGICAL TRANSPLANTATION OF ISLETS OF LANGERHANS	56,012
AI11635-01	DAVIE, JOSEPH M	ROLE OF T CELLS IN B CELL DIFFERENTIATION	38,454
INSTITUTION TOTAL	2	94,466	
CITY TOTAL	2	94,466	
STATE TOTAL	2	94,466	
NEW JERSEY			
JERSEY CITY			
MARGARET HAGUE MATERNITY HOSPITAL			
HD07667-01	CHESLEY, LEON C	FOLLOW-UP OF ECLAMPTIC AND OF RHEUMATIC CARDIAC WOMEN	3,415
INSTITUTION TOTAL	1	3,415	
CITY TOTAL	1	3,415	
NEW BRUNSWICK			
RUTGERS--THE STATE UNIVERSITY			
HD07972-01	LEATHAM, JAMES H	OVARIAN INVOLUTION IN AGING	25,571
INSTITUTION TOTAL	1	25,571	
CITY TOTAL	1	25,571	
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--NEW JERSEY MEDICAL SCHOOL			
HD08157-01	GONA, AMOS G	NORMAL AND THYROID-INDUCED CEREBELLAR MATURATION	18,649
INSTITUTION TOTAL	1	18,649	
CITY TOTAL	1	18,649	
PRINCETON			
PRINCETON UNIVERSITY			
GM20770-01	SANDERS, THOMAS G	Y CHROMOSOME STRUCTURE AND REGULATION IN DROSOPHILA	37,947
INSTITUTION TOTAL	1	37,947	
CITY TOTAL	1	37,947	

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	4	85,582	
NEW YORK BUFFALO NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE CA14536-01	MURPHY, GERALD P	PLANNING FOR CANCER RESEARCH PROGRAM	309,173
INSTITUTION TOTAL	1	309,173	
STATE UNIVERSITY OF NEW YORK AT BUFFALO EY01330-01	WEISSTEIN, NAOMI	THE ORGANIZATION OF COMPLEX VISUAL PERCEPTION	27,211
INSTITUTION TOTAL	1	27,211	
CITY TOTAL	2	336,384	
NEW YORK COLUMBIA UNIVERSITY NS11609-01	ROWLAND, LEWIS P	MUSCLE MEMBRANES AND MUSCLE DISEASE	10,000
INSTITUTION TOTAL	1	10,000	
NEW YORK UNIVERSITY HD07929-01 RK00830-01 CA14211-01A1 CA15095-01	DAVID, RAPHAEL POTTER, JACOBUS VAN DUUREN, BENJAMIN L VAN DUUREN, BENJAMIN L	STUDY OF ROLE OF ADRENAL ANDROGENS IN LINEAR GROWTH ANIMAL RESOURCES IMPROVEMENT PROGRAM INTERACTION OF ONCOGENIC AGENTS WITH CELL MEMBRANES COCARCINOGENIC AGENTS IN CHEMICAL CARCINOGENESIS	33,017 133,489 41,140 49,215
INSTITUTION TOTAL	4	256,861	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH CA15274-01 CA15297-01	BROWN, GEORGE B FLEISSNER, ERWIN J	ON THE MECHANISM OF ONCOGENESIS BY PURINE DERIVATIVES VIRAL AND MOUSE GENES IN LEUKEMIA VIRUS INFECTION	100,000 48,263
INSTITUTION TOTAL	2	148,263	
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER HL16651-01A1	LYONS, HAROLD A	EVALUATION OF STEROID THERAPY IN SARCOIDOSIS	57,584
INSTITUTION TOTAL	1	57,584	
CITY TOTAL	8	472,708	
SYRACUSE SYRACUSE UNIVERSITY HD07188-01	TALBERT, CAROL S	STUDY OF ATTITUDES AND ACTIVITIES OF THE POOR	22,211

\* INCLUDES DIRECT COST ONLY



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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	22,211	
CITY TOTAL	1	22,211	
STATE TOTAL	11	831,303	
NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
HD08464-01	CAIRNS, ROBERT B	THE DEVELOPMENT OF AGGRESSIVE BEHAVIORS	23,710
HD05798-01A2	FREYMAN, MOYE W	POPULATION RESEARCH PROGRAM	134,177
HD08459-01	ORNSTEIN, PETER A	THE ROLE OF REHEARSAL IN CHILDREN'S MEMORY	22,751
INSTITUTION TOTAL	3	180,638	
CITY TOTAL	3	180,638	
DURHAM DUKE UNIVERSITY			
CA14651-01	BIGNER, DARELL D	IMMUNOCHEMISTRY OF GLIAL BRAIN TUMOR CELLS	33,000
AM17195-01	ROBINSON, ROSCOE R	THE KIDNEY IN HEALTH AND DISEASE	80,000
INSTITUTION TOTAL	2	113,000	
CITY TOTAL	2	113,000	
STATE TOTAL	5	293,638	
OHIO ATHENS OHIO UNIVERSITY			
HD07619-01	SOLTOW, LEE C	CHILDREN AND INHERITANCE OF WEALTH	17,379
INSTITUTION TOTAL	1	17,379	
CITY TOTAL	1	17,379	
STATE TOTAL	1	17,379	
OKLAHOMA OKLAHOMA CITY OKLAHOMA MEDICAL RESEARCH FOUNDATION			
CA14460-01A1	KOLLMORGEN, GERALD M	IMMUNOTHERAPY COMBINED WITH SURGERY AND CHEMOTHERAPY	31,516
INSTITUTION TOTAL	1	31,516	
CITY TOTAL	1	31,516	

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
STATE TOTAL	1		31,516
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL			
HD08025-01	MEYCALFE, JAMES	EXERCISE HEMODYNAMICS AND RESPIRATION IN PREGNANCY	50,654
INSTITUTION TOTAL	1		50,654
CITY TOTAL	1		50,654
STATE TOTAL	1		50,654
PENNSYLVANIA			
PHILADELPHIA			
INSTITUTE FOR CANCER RESEARCH			
AI10414-01A1	BAYER, MANFRED E	ZONES OF MULTIPLE FUNCTIONS ON THE CELLULAR SURFACE	15,988
INSTITUTION TOTAL	1		15,988
CITY TOTAL	1		15,988
PITTSBURGH			
CHILDREN'S HOSPITAL OF PITTSBURGH			
HD07850-01	FIREMAN, PHILIP	DEVELOPMENT OF IMMEDIATE HYPERSENSITIVITY	15,400
INSTITUTION TOTAL	1		15,400
UNIVERSITY OF PITTSBURGH			
CA14972-01	FISHER, BERNARD	STUDY OF EFFECT OF REMOVAL OF PRIMARY TUMORS	44,907
GM20759-01	HOPPER, SARAH P	RIBONUCLEOTIDE REDUCTION IN MAMMALIAN CELLS	28,200
HD07914-01	SABEAN, DAVID W	POPULATION AND KINSHIP IN NECKARHAUSEN 1500-1870	34,635
INSTITUTION TOTAL	3		107,742
CITY TOTAL	4		123,142
STATE TOTAL	5		139,130
RHODE ISLAND			
KINGSTON			
UNIVERSITY OF RHODE ISLAND			
HL16207-01	TURCOTTE, JOSEPH G	SYNTHESIS OF PHOSPHOLIPID LUNG SURFACTANTS	18,693
INSTITUTION TOTAL	1		18,693
CITY TOTAL	1		18,693

\* INCLUDES DIRECT COST ONLY

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	18,693	
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE MEDICAL UNITS			
HD07511-01	MASON, JAMES M	PATHOGENESIS OF SUDDEN INFANT DEATH SYNDROME	36,423
INSTITUTION TOTAL	1	36,423	
CITY TOTAL	1	36,423	
STATE TOTAL	1	36,423	
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
AI11830-01	KEARNS, DONALD H	ANTI-GONOCOCCAL RESPONSE OF NORMAL AND RESISTANT MEN	39,820
INSTITUTION TOTAL	1	39,820	
RICE UNIVERSITY			
HL16093-01	OLSON, JOHN S	STUDY OF ALPHA AND BETA CHAINS IN HEMOGLOBIN	30,978
INSTITUTION TOTAL	1	30,978	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE			
CAL4984-01	HERSH, EVAN M	IMMUNOLOGICAL ASPECTS OF CANCER PROGNOSIS	55,316
INSTITUTION TOTAL	1	55,316	
CITY TOTAL	3	126,114	
STATE TOTAL	3	126,114	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
RR00847-01	DRUCKER, WILLIAM R	GENERAL CLINICAL RESEARCH CENTER	227,246
INSTITUTION TOTAL	1	227,246	
CITY TOTAL	1	227,246	
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
GM20298-01A1	COHEN, IRWIN K	STUDY OF COLLAGEN METABOLISM IN TRAUMA AND DISEASE	28,748

\* INCLUDES DIRECT COST ONLY

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RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY CA15499-01	MONCURE, CHARLES W	INVESTIGATION OF SPECIFIC ANTIGENS IN PROSTATIC CANCER	38,144
INSTITUTION TOTAL	2	66,892	
CITY TOTAL	2	66,892	
STATE TOTAL	3	294,138	
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON HD07755-01 CA12895-01A2	EISDORFER, CARL NEIMAN, PAUL E	LEARNING AND PSYCHOPHYSIOLOGICAL STUDIES IN THE AGED MOLECULAR MECHANISMS IN NEOPLASIA	113,888 57,354
INSTITUTION TOTAL	2	171,242	
CITY TOTAL	2	171,242	
STATE TOTAL	2	171,242	
WISCONSIN MADISON UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON HD07867-01 GM20871-01	LABOUIVIE, GISELA V WEISBLUM, BERNARD	MODIFYING INTELLECTUAL BEHAVIOR IN THE AGED STUDIES OF HUMAN CHROMOSOMAL DNA	5,533 20,000
INSTITUTION TOTAL	2	25,533	
CITY TOTAL	2	25,533	
STATE TOTAL	2	25,533	
CANADA KINGSTON QUEEN'S UNIVERSITY HD07951-01	WYATT, GERARD R	BIOCHEMISTRY OF DEVELOPMENT AND REGULATION	33,962
INSTITUTION TOTAL	1	33,962	
CITY TOTAL	1	33,962	
TORONTO UNIVERSITY OF TORONTO HD07889-01	SCHACHTER, HARRY	GLYCOPROTEIN-GLYCOLIPID METABOLISM IN SPERMATOGENESIS	23,761

\* INCLUDES DIRECT COST ONLY



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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	23,761	
CITY TOTAL	1	23,761	
CANADA			
WINNEPEG			
UNIVERSITY OF MANITOBA			
HD07843-01	FRIESEN, HENRY G	PLACENTAL & PITUITARY PROTEIN & POLYPEPTIDE HORMONES	47,131
INSTITUTION TOTAL	1	47,131	
CITY TOTAL	1	47,131	
STATE TOTAL	3	104,854	
DENMARK			
AARHUS			
UNIVERSITY OF AARHUS			
HL16238-01	MAGNUSSEN, STAFFAN M	BLOOD COAGULATION PRIMARY STRUCTURE OF PROTHROMBIN	35,917
INSTITUTION TOTAL	1	35,917	
CITY TOTAL	1	35,917	
STATE TOTAL	1	35,917	
ISRAEL			
HAIFA			
ISRAEL INSTITUTE OF TECHNOLOGY			
HD07740-01	GERSHON, DAVID	STUDY OF FAULTY PROTEIN MOLECULES IN SENESCENCE	27,740
INSTITUTION TOTAL	1	27,740	
CITY TOTAL	1	27,740	
STATE TOTAL	1	27,740	
TOTAL	106	6,323,709	

\* INCLUDES DIRECT COST ONLY

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
SAN FRANCISCO			
HARKNESS COMMUNITY HOSPITAL AND MEDICAL CENTER			
CB43862-00	PETZ, LAWRENCE D	SUPPLY OF BLOOD SPECIMENS	18,479
INSTITUTION TOTAL	1		
CITY TOTAL	1		18,479
STATE TOTAL	1		18,479
COLORADO			
FORT COLLINS			
COLORADO STATE UNIVERSITY			
HI42903-00	NELSON, A W	SUPPORT FOR ANIMAL-CARE FACILITY	219,900
INSTITUTION TOTAL	1		
CITY TOTAL	1		219,900
STATE TOTAL	1		219,900
DIST OF CUL			
WASHINGTON			
GEORGE WASHINGTON UNIVERSITY			
LM44701-00	MC CARN, DAVIS B	DEVELOPMENT OF MEDLEARN SYSTEM	13,222
INSTITUTION TOTAL	1		
CITY TOTAL	1		13,222
STATE TOTAL	1		13,222
MARYLAND			
BALTIMORE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS			
CP43237-00	TRUMP, BENJAMIN F	STUDY OF TRACHEOBRONCHIAL EPITHELIUM	96,880
INSTITUTION TOTAL	1		
CITY TOTAL	1		96,880
BETHESDA			
NATIONAL COMMITTEE FOR CAREERS IN THE MEDICAL LABORATORY			
CN45043-00	JOHNSON, DALLAS	PREPARATION OF REVISED MANUAL OF CYTOTECHNOLOGY	40,000
INSTITUTION TOTAL	1		

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RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
CITY TOTAL	1	40,000	
MARYLAND			
ROCKVILLE			
INFORMATICS, INC.			
LM44700-00			145,852
INSTITUTION TOTAL	1	145,852	
CITY TOTAL	1	145,852	
STATE TOTAL	3	282,732	
MASSACHUSETTS			
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
CB43867-00			60,000
INSTITUTION TOTAL	1	60,000	
CITY TOTAL	1	60,000	
STUDY OF ESTROGEN-BINDING AND ESTROPHILE PROTEINS			
WALTHAM			
THERMO ELECTRON CORPORATION			
HT32948-00			159,030
HT32946-00			162,680
INSTITUTION TOTAL	2	321,710	
CITY TOTAL	2	321,710	
STATE TOTAL	3	381,710	
DEVELOPMENT OF LEFT VENTRICULAR-ASSIST DEVICES			
EVALUATION OF LEFT VENTRICULAR-ASSIST PUMPS			
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
CP43255-00			38,960
INSTITUTION TOTAL	1	38,960	
CITY TOTAL	1	38,960	
STATE TOTAL	1	38,960	
STUDY OF POPULATIONS AT RISK FROM N-NITROSO COMPOUNDS			

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RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
OHIO			
COLUMBUS			
OHIO STATE UNIVERSITY			
0042145-00	STANLEY, R	TRAINING COURSE FOR CONTRACT OFFICERS	17,140
INSTITUTION TOTAL	1	17,140	
CITY TOTAL	1	17,140	
STATE TOTAL	1	17,140	
PENNSYLVANIA			
BALA-CYNWYD			
SMALL BUSINESS ADMINISTRATION			
CN45040-00	WEBSTER, CAROL	PUBLICATION OF CANCER COMMITTEE BOOKS	150,188
INSTITUTION TOTAL	1	150,188	
CITY TOTAL	1	150,188	
STATE TOTAL	1	150,188	
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE			
CN45038-00	HEALEY, JOHN E	TRAINING COURSES FOR CANCER-REHABILITATION TEAMS	94,847
INSTITUTION TOTAL	1	94,847	
CITY TOTAL	1	94,847	
STATE TOTAL	1	94,847	
VIRGINIA			
MC LEAN			
ARIES CORPORATION EDUCATIONAL SYSTEMS DIVISION			
CN45042-00	HIRSCHY, ROGER E	SUPPORT FOR NATIONAL CANCER BULLETIN	49,193
INSTITUTION TOTAL	1	49,193	
CITY TOTAL	1	49,193	
STATE TOTAL	1	49,193	
CANADA			
HALIFAX			
DALHOUSIE UNIVERSITY			
HV42911-00	RAUTAHARJU, P M	SUPPORT FOR ECG CENTER FOR PREVENTION OF HEART DISEASE	126,624

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RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
INSTITUTION TOTAL	1	126,624	
CITY TOTAL	1	126,624	
STATE TOTAL	1	126,624	
FRANCE			
PARIS			
CURIE FOUNDATION			
CP43219-00	LATARJET, L	MOLECULAR AND GENETIC STUDY OF ROUS SARCOMA VIRUS	49,000
INSTITUTION TOTAL	1	49,000	
CITY TOTAL	1	49,000	
STATE TOTAL	1	49,000	
TOTAL	16	1,441,995	49,000



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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS CARBONDALE SOUTHERN ILLINOIS UNIVERSITY LM02130-01	HOWARD, ANN	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	1	20,000	
TOTAL	1	20,000	



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